

REMARKS/ARGUMENTS

Pending claims 11-12 and 16-20 stand rejected under 35 U.S.C. § 112, ¶ 2. Claim 11 has been amended to overcome the asserted lack of antecedent basis. Accordingly, it is respectfully submitted that the § 112 rejection is overcome.

Pending claims 1-2, 7-12 and 16-20 stand rejected under 35 U.S.C. § 103(a) over U.S. Patent Application Publication No. 2002/0059434 (Karaoguz) in view of U.S. Patent No. 6,441,442 (Wong). Applicant respectfully traverses the rejection.

With regard to claim 1, neither reference teaches or suggests a reconfigurable processor core that has multiple central processors and multiple digital signal processors. For at least this reason, claims 1-2 and 7-10 are patentable over the proposed combination. Furthermore, the combined references, either alone or in combination do not teach or suggest a single substrate having analog and digital portions for both a cellular radio core and a short-range wireless transceiver core. In this regard, the Office Action concedes that “Karaoguz et al does not disclose whether said analog portion and said digital portion are integrated on the same substrate.” Office Action, p. 4. Furthermore, Wong nowhere teaches or suggests that multiple wireless technologies, i.e., a cellular core and a short-range wireless transceiver core can be integrated on a single substrate. Instead, Wong merely teaches that analog radio frequency and digital components may be implemented on a substrate together. Accordingly, for this further reason claims 1-2 and 7-10 are patentable over the proposed combination.


Claim 11 is patentable over the proposed combination, as the references, either alone or in combination do not teach or suggest a processor and a multi-mode wireless device on a single substrate coupled thereto. Karaoguz nowhere teaches or suggests a processor and a multi-mode wireless device that includes a reconfigurable processor core. In this regard, the Office Action contends that element 66 of FIG. 3 is a “processor.” However, as disclosed by Karaoguz, this element is a user interface, not a processor. Certainly, Wong nowhere discloses or suggests such components. Accordingly, claims 11-12 and 16-20 are patentable over the proposed combination.

New claims 21-28 are patentable, at least because the cited art nowhere teaches or suggests communicating data using a multi-mode wireless device having a substrate including a cellular radio core, a short-range wireless transceiver core, and a processor core.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Respectfully submitted,

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